

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1305377

Luminaire Tested: P3SQAS02R159024DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R159024DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

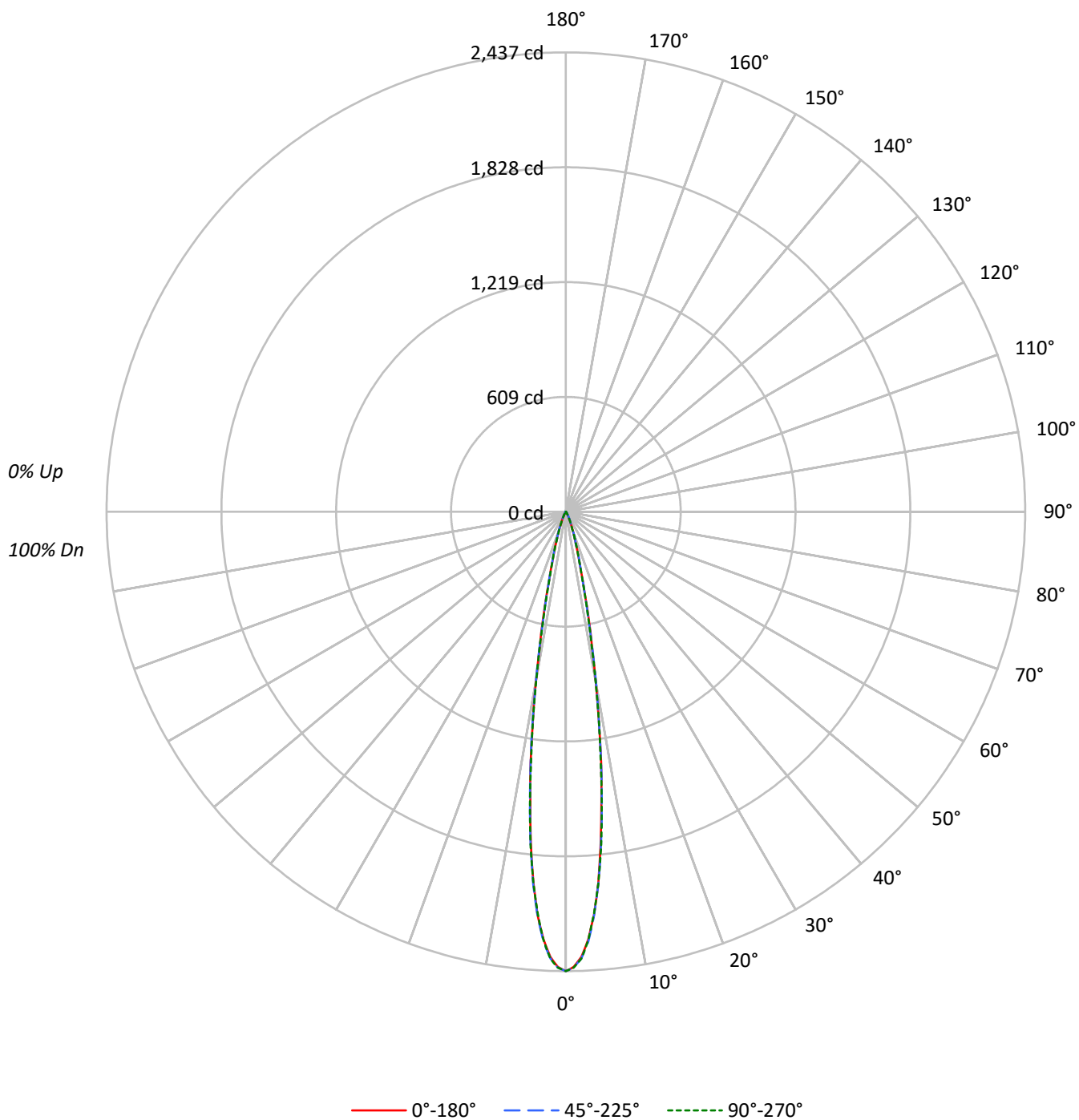
Lumens per Lamp: N/A
Luminaire Lumens: 272.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	419724	419724	419724
5°	341733	342857	342182
10°	159403	160837	158808
15°	50066	50476	50173
20°	19830	20618	19207
25°	8019	9691	7734
30°	3202	4415	3043
35°	946	1955	904
40°	292	719	247
45°	49	146	49
50°	0	54	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 146 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.6	56.1
10°-20°	91.3	33.6
20°-30°	23.0	8.5
30°-40°	4.7	1.7
40°-50°	0.4	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	266.9	98.1
0°-40°	271.6	99.8
0°-60°	272.0	100.0
0°-90°	272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	272.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2437	2437	2437	2437	2437	
5°	1977	1973	1983	1978	1979	152
15°	281	283	283	279	281	91
25°	42	46	51	45	41	22
35°	4	6	9	6	4	4
45°	0	0	1	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2437.1	2437.1	2437.1	2437.1	2437.1
1°	2415.2	2423.3	2419.0	2422.5	2418.6
2°	2362.9	2373.9	2370.4	2369.3	2372.4
3°	2270.8	2283.5	2283.1	2279.8	2274.7
4°	2145.2	2140.0	2148.0	2147.1	2138.3
5°	1976.7	1973.1	1983.2	1978.2	1979.3
6°	1770.6	1786.5	1783.1	1783.5	1787.6
7°	1549.2	1557.8	1565.1	1571.2	1562.8
8°	1345.9	1343.8	1344.4	1351.3	1328.1
9°	1118.3	1131.6	1123.0	1109.3	1118.1
10°	911.5	919.7	919.7	907.7	908.1
11°	726.7	733.4	728.7	731.7	712.8
12°	585.8	569.3	565.4	568.4	568.2
13°	447.3	448.4	447.3	447.1	444.9
14°	350.7	356.3	353.9	348.1	345.5
15°	280.8	283.1	283.1	279.0	281.4
17.5°	168.7	171.5	172.1	169.3	169.3
20°	108.2	109.5	112.5	108.4	104.8
22.5°	66.7	69.5	74.7	68.6	65.6
25°	42.2	46.0	51.0	45.2	40.7
27.5°	26.5	29.7	34.0	28.4	25.6
30°	16.1	18.3	22.2	17.9	15.3
32.5°	9.0	10.8	14.0	10.3	8.6
35°	4.5	6.0	9.3	5.8	4.3
37.5°	2.6	3.2	5.8	2.8	2.4
40°	1.3	1.7	3.2	1.7	1.1
42.5°	0.4	0.9	1.3	0.9	0.4
45°	0.2	0.4	0.6	0.4	0.2
47.5°	0.0	0.0	0.2	0.0	0.0
50°	0.0	0.0	0.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)